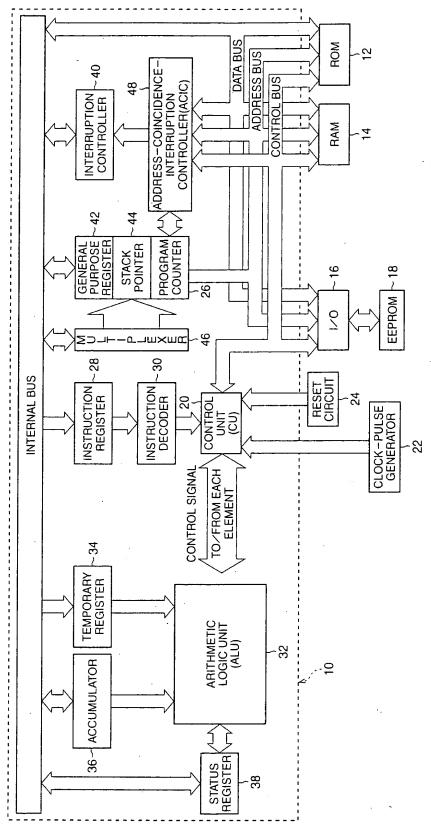
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Application No. 09/635,524 Confirmation No. 5635
Applicant: Hiroyuki TAKAHASHI Attorney Docket No. P19483
Title: MICRO COMPUTER WITH PROGRAM-REVISION ABILITY
Responsive to Official Communication dated: April 05, 2005
REPLACEMENT SHEET

1/26

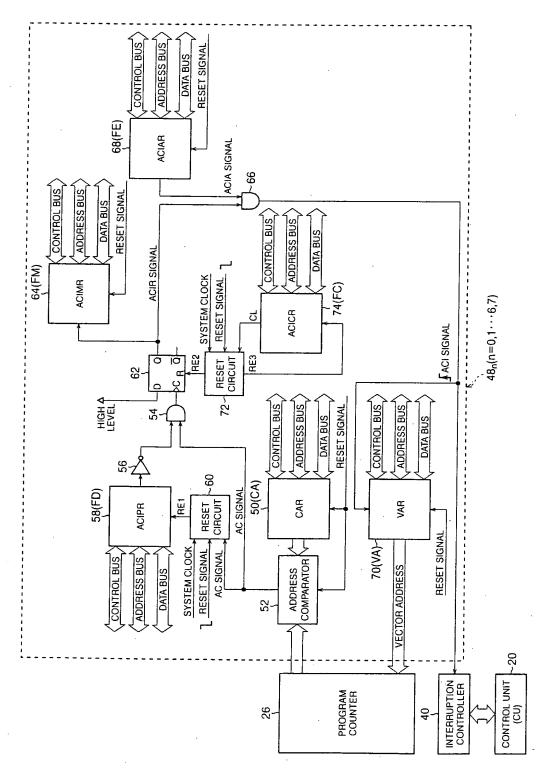
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2/26



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3/26

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FIG. 3

EEPROM18

	EEFRO	141.10		_
CA0 ₁₅ CA0 ₁₄ CA		-!	!	1 > CAZ0(16B11S)
CA0 ₀₇ CA0 ₀₆ CA0 CA1 ₁₅ CA1 ₁₄ CA	1 ₁₃ CA1 ₁₂ CA1 ₁₁	CA1 ₁₀ CA1 ₀₉	CA1 ₀₈	CAZ1(16BITS)
CA1 ₀₇ ;CA1 ₀₆ ;CA	105;CA104;CA103	3¦CA 1 ₀₂ ;CA 1 ₀₁	CA 100	
CA6 ₁₅ CA6 ₁₄ CA6	6 ₁₃ CA6 ₁₂ CA6 ₁₁	: :CA6 ₁₀ :CA6 ₀₉	CA6 ₀₈	0.470(4.01)(7.0)
CA6 ₀₇ CA6 ₀₆ CA6	- i	i i -i		CAZ6(16BITS)
CA7 ₁₅ CA7 ₁₄ CA CA7 ₀₇ CA7 ₀₆ CA		·		CAZ7(16BITS)
FE7 FE6 FE	- : - :	<u> </u>]=
VA0 ₀₇ VA0 ₀₆ VA0	0 ₀₅ VA0 ₀₄ VA0 ₀₃	VA0 ₀₂ VA0 ₀₁	VA0 ₀₀	VAZ0(16BITS)
VA1 ₁₅ VA1 ₁₄ VA VA1 ₀₇ VA1 ₀₆ VA				VAZ1(16BITS)
				10
VA6 ₁₅ VA6 ₁₄ VA6 VA6 ₀₇ VA6 ₀₆ VA6		!		VAZ6(16BITS)
VA7 ₁₅ VA7 ₁₄ VA7 VA7 ₀₇ VA7 ₀₆ VA7	. –			VAZ7(16BITS)
PROG	GRAM-STORAC	GE AREA		· ·
DA	TA-STORAGE	AREA		
	VACANT ARE	Α .		



4/26

FIG. 4

CIRCUIT ELEMENT 480

CAR 50

CA0₁₅ CA0₁₄ CA0₁₃ CA0₁₂ CA0₁₁ CA0₁₀ CA0₀₉ CA0₀₈ CA0₀₇ CA0₀₆ CA0₀₅ CA0₀₄ CA0₀₃ CA0₀₂ CA0₀₁ CA0₀₀

ACIAR 68

FE0

VAR 70

VA0₁₅ VA0₁₄ VA0₁₃ VA0₁₂ VA0₁₁ VA0₁₀ VA0₀₉ VA0₀₈ VA0₀₇ VA0₀₆ VA0₀₅ VA0₀₄ VA0₀₃ VA0₀₂ VA0₀₁ VA0₀₀

FIG. 5

CIRCUIT ELEMENT 481

CAR 50

CA1₁₅ CA1₁₄ CA1₁₃ CA1₁₂ CA1₁₁ CA1₁₀ CA1₀₉ CA1₀₈ CA1₀₇ CA1₀₆ CA1₀₅ CA1₀₄ CA1₀₃ CA1₀₂ CA1₀₁ CA1₀₀

ACIAR 68

FE₁

VAR 70

VA1₁₅ VA1₁₄ VA1₁₃ VA1₁₂ VA1₁₁ VA1₁₀ VA1₀₉ VA1₀₈ VA1₀₇ VA1₀₆ VA1₀₅ VA1₀₄ VA1₀₃ VA1₀₂ VA1₀₁ VA1₀₀

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Application No. 09/635,524 Confirmation No. 5635
Applicant: Hiroyuki TAKAHASHI Attorney Docket No. P19483
Title: MICRO COMPUTER WITH PROGRAM-REVISION ABILITY
Responsive to Official Communication dated: April 05, 2005
REPLACEMENT SHEET

5/26

FIG. 6

CIRCUIT ELEMENT 482

CAR 50

CA2₁₅ CA2₁₄ CA2₁₃ CA2₁₂ CA2₁₁ CA2₁₀ CA2₀₉ CA2₀₈ CA2₀₇ CA2₀₆ CA2₀₅ CA2₀₄ CA2₀₃ CA2₀₂ CA2₀₁ CA2₀₀

ACIAR 68

FE2

VAR 70

 $VA2_{15}VA2_{14}VA2_{13}VA2_{12}VA2_{11}VA2_{10}VA2_{09}VA2_{08}VA2_{07}VA2_{06}VA2_{05}VA2_{04}VA2_{03}VA2_{02}VA2_{01}VA2_{00}$

FIG. 7

CIRCUIT ELEMENT 483

CAR 50

CA3₁₅ CA3₁₄ CA3₁₃ CA3₁₂ CA3₁₁ CA3₁₀ CA3₀₉ CA3₀₈ CA3₀₇ CA3₀₆ CA3₀₅ CA3₀₄ CA3₀₃ CA3₀₂ CA3₀₁ CA3₀₀

ACIAR 68

FE3

VAR 70

VA3₁₅ VA3₁₄ VA3₁₃ VA3₁₂ VA3₁₁ VA3₁₀ VA3₀₉ VA3₀₈ VA3₀₇ VA3₀₆ VA3₀₅ VA3₀₄ VA3₀₃ VA3₀₂ VA3₀₁ VA3₀₀



REPLACEMENT SHEET

6/26

FIG. 8

CIRCUIT ELEMENT 484

CAR 50

CA4₁₅ CA4₁₄ CA4₁₃ CA4₁₂ CA4₁₁ CA4₁₀ CA4₀₉ CA4₀₈ CA4₀₇ CA4₀₆ CA4₀₅ CA4₀₄ CA4₀₃ CA4₀₂ CA4₀₁ CA4₀₀

ACIAR 68

FE4

VAR 70

VA4₁₅ VA4₁₄ VA4₁₃ VA4₁₂ VA4₁₁ VA4₁₀ VA4₀₉ VA4₀₈ VA4₀₇ VA4₀₆ VA4₀₅ VA4₀₄ VA4₀₃ VA4₀₂ VA4₀₁ VA4₀₀

FIG. 9

CIRCUIT ELEMENT 485

CAR 50

CA5₁₅ CA5₁₄ CA5₁₃ CA5₁₂ CA5₁₁ CA5₁₀ CA5₀₉ CA5₀₈ CA5₀₇ CA5₀₆ CA5₀₅ CA5₀₄ CA5₀₃ CA5₀₂ CA5₀₁ CA5₀₀

ACIAR 68

FE₅

VAR 70

VA5₁₅ VA5₁₄ VA5₁₃ VA5₁₂ VA5₁₁ VA5₁₀ VA5₀₉ VA5₀₈ VA5₀₇ VA5₀₆ VA5₀₅ VA5₀₄ VA5₀₃ VA5₀₂ VA5₀₁ VA5₀₀



Applicant: Hiroyuki TAKAHASHI Attorney Docket No. P
Title: MICRO COMPUTER WITH PROGRAM-REVISION ABILITY Responsive to Official Communication dated: April 05, 2005

Confirmation No. 5635 Attorney Docket No. P19483

REPLACEMENT SHEET

7/26

FIG. 10

CIRCUIT ELEMENT 486

CAR 50

CA6₁₅CA6₁₄CA6₁₃CA6₁₂CA6₁₁CA6₁₀CA6₀₉CA6₀₈ CA6₀₇;CA6₀₆;CA6₀₅;CA6₀₄;CA6₀₃;CA6₀₂;CA6₀₁;CA6₀₀

ACIAR 68

FE6

VAR 70

VA6₁₅!VA6₁₄!VA6₁₃!VA6₁₂!VA6₁₁!VA6₁₀!VA6₀₉!VA6₀₈ VA6₀₇; VA6₀₆; VA6₀₅; VA6₀₄; VA6₀₃; VA6₀₂; VA6₀₁; VA6₀₀

FIG. 11

CIRCUIT ELEMENT 487

CAR 50

CA7₁₅|CA7₁₄|CA7₁₃|CA7₁₂|CA7₁₁|CA7₁₀|CA7₀₉|CA7₀₈ CA7₀₇;CA7₀₆;CA7₀₅;CA7₀₄;CA7₀₃;CA7₀₂;CA7₀₁;CA7₀₀

ACIAR 68

FE7

VAR 70

VA7₁₅;VA7₁₄;VA7₁₃;VA7₁₂;VA7₁₁;VA7₁₀;VA7₀₉;VA7₀₈ VA7₀₇ VA7₀₆ VA7₀₅ VA7₀₄ VA7₀₃ VA7₀₂ VA7₀₁ VA7₀₀



8/26

FIG. 12

RAM14

PROGRAM-EXECUTION-WORKING AREA
DATA-STORAGE AREA
PROGRAM-STORAGE AREA
STACK MEMORY AREA



9/26

FIG. 13

CIRCUIT ELEMENT 48 ₀	
ACIPR 58	
FD0	
ACICR 74	
FC0	
ACIMR 64	
FMO	

CIRCUIT ELEMENT 48 ₁	
ACIPR 58	1
FD1	1
ACICR 74 FC1	
ACIMR 64 FM1	
<u> </u>	



10/26

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FIG. 15

CIRCUIT ELEMENT 48 ₂	
ACIPR 58	
FD2	
ACICR 74 FC2	
ACIMR 64	
FM2	, ,

CIRCUIT ELEME	NT 48 ₃	
ACIPR 58		
ACICR 74 FC3		·
ACIMR 64 FM3	`	



11/26

FIG. 17

ACIPR 58

FD4

ACICR 74

FC4

ACIMR 64

FM4

FIG. 18

CIRCUIT ELEMENT 485	
ACIPR 58	
ACICR 74 FC5	
ACIMR 64 FM5	

JUN 2 9 2005 DE

Application No. 09/635,524 Confirmation No. 5635
Applicant: Hiroyuki TAKAHASHI Attorney Docket No. P19483
Title: MICRO COMPUTER WITH PROGRAM-REVISION ABILITY
Responsive to Official Communication dated: April 05, 2005
REPLACEMENT SHEET

12/26

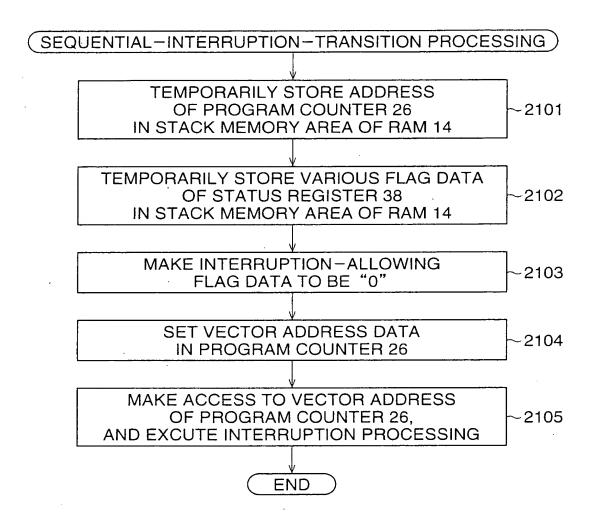
FIG. 19

ACIPR 58
FD6
ACICR 74
FC6
ACIMR 64
FM6

CIRCUIT ELEMENT 48 ₇
ACIPR 58 FD7
ACICR 74 FC7
ACIMR 64 FM7



13/26





14/26

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FIG. 22

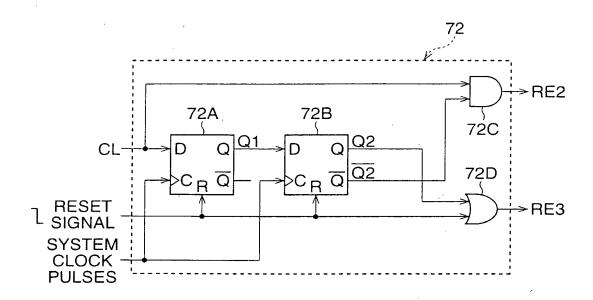
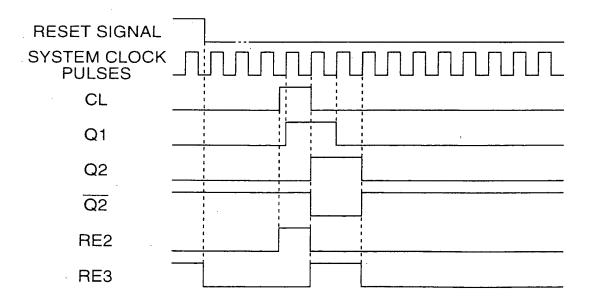
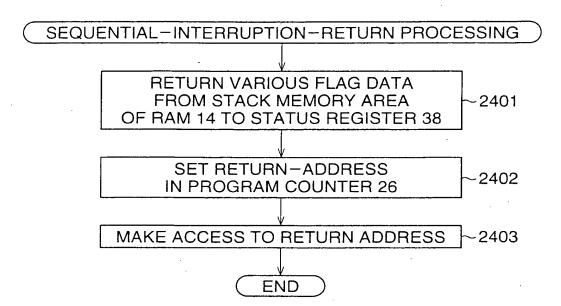


FIG. 23





15/26





16/26

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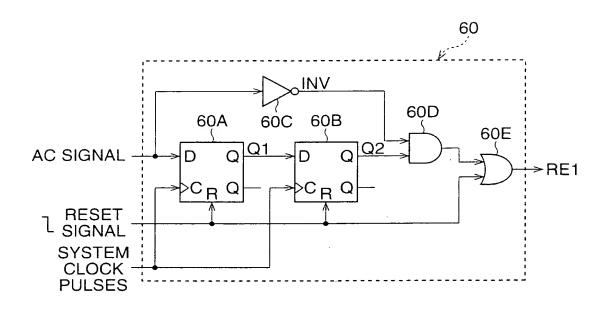
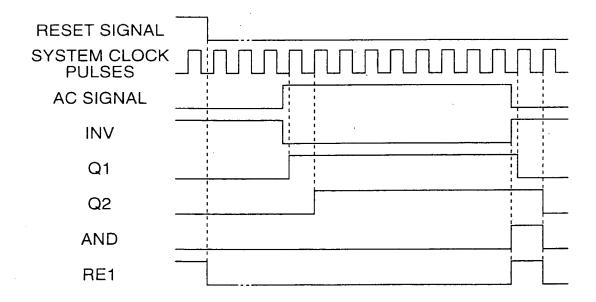


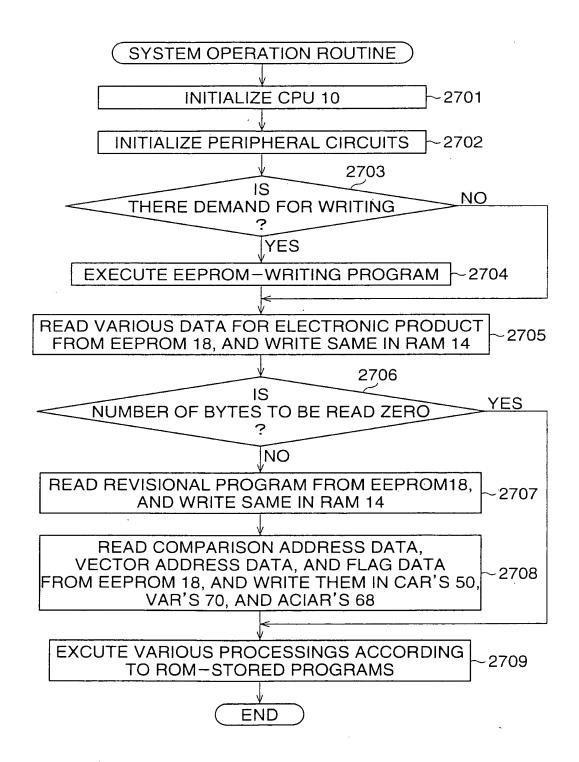
FIG. 26





17/26

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18/26

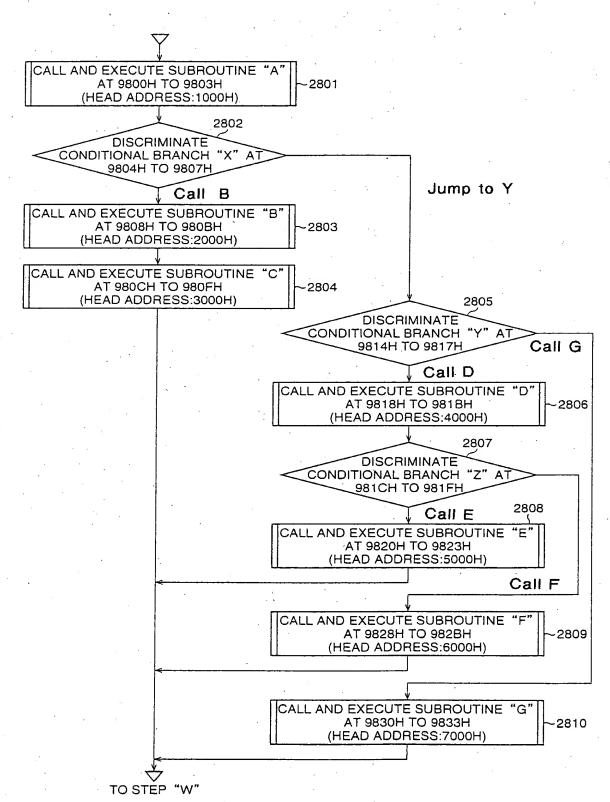




FIG. 29

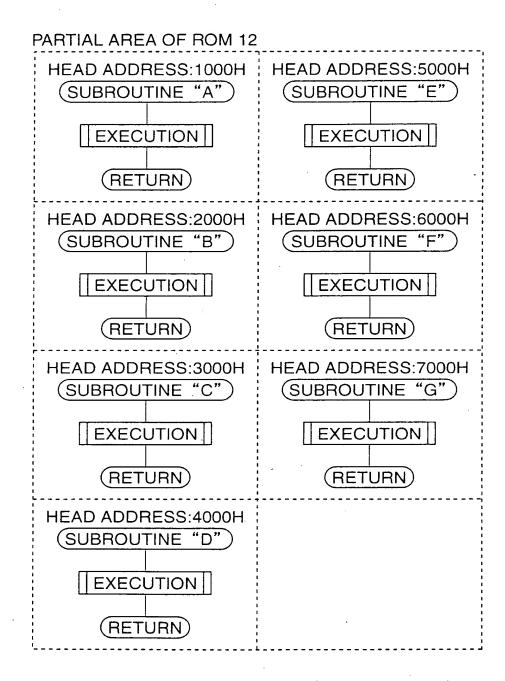
```
ADDRESS TO BE
       RENEWED
     IN PROGRAM
     COUNTER 26
         9800H
         9801H
         9802H
         9803H → CALL A
         9804H
         9805H
         9806H
                           (JUMP TO 9814H)
         9807H CONDITIONAL
              BRANCH X
CALL J <--9808H
                            9814H
         9809H
                            9815H
                            9817H CONDITIONAL (JUMP TO 9830H)
        980AH
        980BH→CALL B
                                  BRANCH Y
                                                           9830H
  ----->980CH
                            9818H-<sub>A</sub>> CALL K
                                                           9831H
        980DH
                            9819H ......
                                                           9832H
        980EH
                            981AH
                                                           9833H→CALL G
                            981BH→CALL D
        980FH→CALL C
                                                           9834H
         9810H
                            981CH-A> CALL L
                                                           9835H
        9811H
                            981DH
                                               (JUMP TO
                                                           9836H
        9812H
                            981EH
                                               9828H)
        9813H→JUMP
TO "W"
                                                           9837H → JUMP
                            981FH CONDITIONAL
                                                                  TO "W"
                                  BRANCH Z
                                               9828H
                            9820H
                            9821H
                                               9829H
                            9822H
                                               982AH
                            9823H→CALL E
                                               982BH→CALL F
                            9824H
                                               982CH
                            9825H
                                               982DH
                                               982EH
                            9826H
                            9827H → JUMP
                                               982FH→JUMP
                                                       TO "W"
                                    TO "W"
```

JUN 2 9 2005 AP

Application No. 09/635,524 Confirmation No. 5635
Applicant: Hiroyuki TAKAHASHI Attorney Docket No. P19483
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20/26

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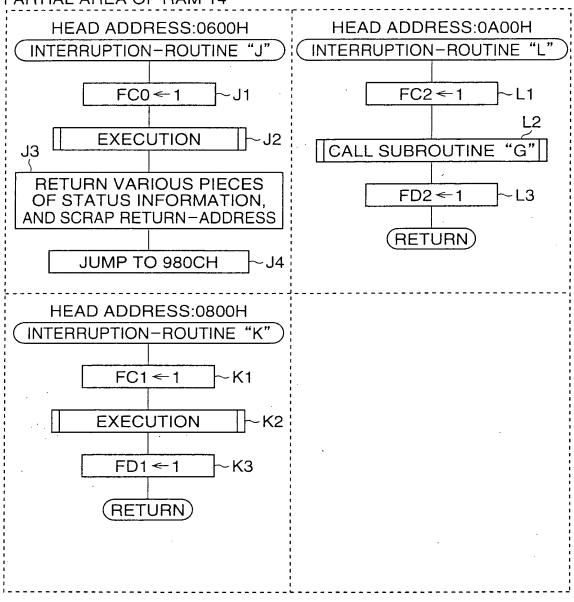


Application No. 09/635,524

Confirmation No. 5635 Applicant: Hiroyuki TAKAHASHI Attorney Docket No. P.
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REPLACEMENT SHEET 21/26







22/26

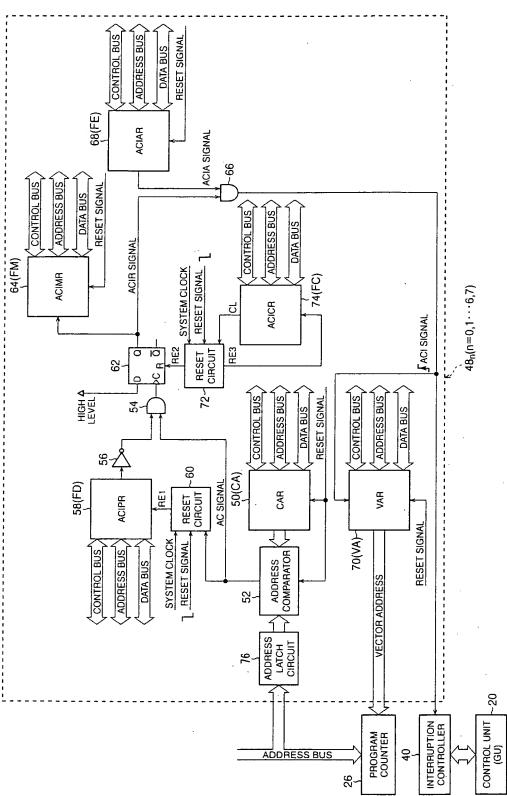


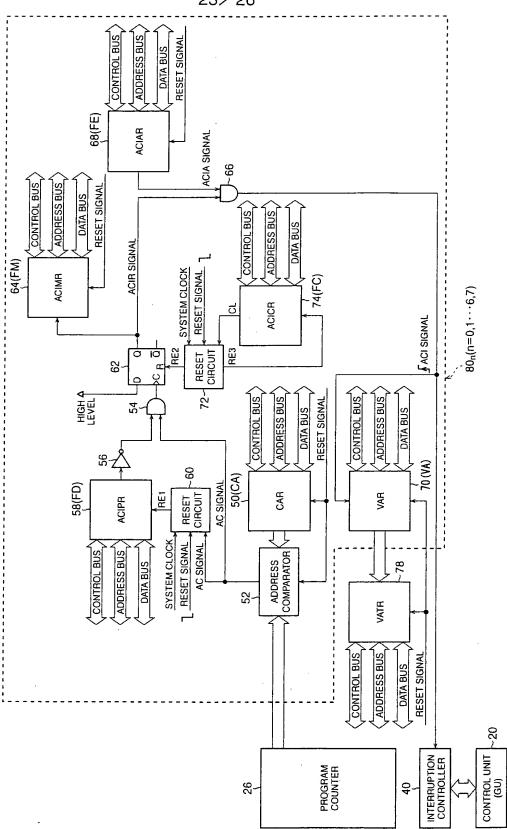
FIG. 32

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Application No. 09/635,524 Confirmation No. 5635
Applicant: Hiroyuki TAKAHASHI Attomey Docket No. P19483
Title: MICRO COMPUTER WITH PROGRAM-REVISION ABILITY
Responsive to Official Communication dated: April 05, 2005
REPLACEMENT SHEET

23/26

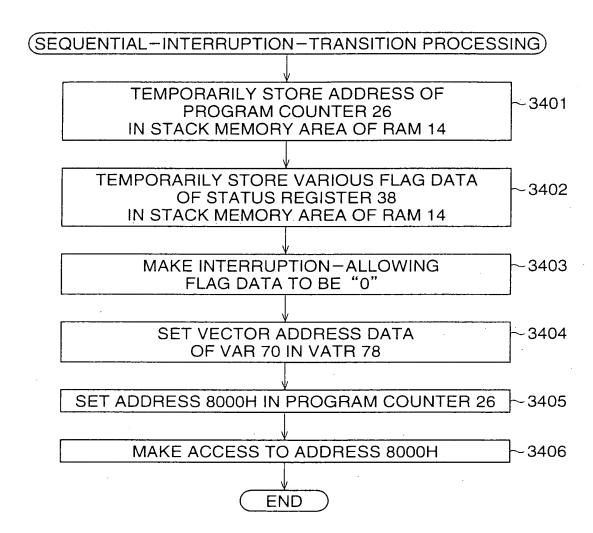




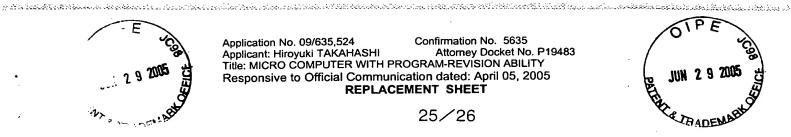
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REPLACEMENT SHEET

24/26







25/26

